

CLAIMS

What is claimed is:

1. A wireless signal transmission and receiving system applied for a display device for receiving wireless signals omni directionally, comprising:
 - 5 a plurality of transmitting units for sending optical signals via optical beams; and a plurality of receiving units for collecting the redundant optical signals and combining the signals to a single optical signal for conversion into an electrical signal for further processing.
 2. The system of claim 1, wherein each of the receiving units further comprises a photodiode for converting the single optical signal into the electrical signal.
 - 10 3. The system of claim 1, wherein the transmitting units further comprises beam forming optics.
 4. The system of claim 1, wherein the receiving units further comprises beam collecting optics.
 - 15 5. The system of claim 1, wherein the optical signals are converted from audio and video source devices.
 6. The system of claim 1, wherein the optical signals are converted from computers.
 7. The system of claim 1, wherein the optical signals are analog in nature.
 8. The system of claim 1, wherein the optical signals are digital in nature.